SCD 6.0/140 (Aerodyn Engineering GmbH)

Main data

Rated power: 6000 kW
Rotor diameter: 140 m
Under development
Class: TCIIB+ (IEC IIb)
Offshore model: yes

Rotor

Number of blades: 2
Type: Pitch
Swept area: 15393.8 m2
Power density: 2.57 m2/kW
Maximum speed: 13,6 rd/min

Tower

Minimum hub height: 100 m
Maximum hub height: 100 m

Weights

Gearbox

Gearbox: yes
Stages: 2
Gear ratio: 23

Wind speeds

Cut-in wind speed: 3 m/s
Rated wind speed: 13 m/s
Cut-off wind speed: 22 m/s

Generator

Type: SYNC PM
Maximum speed: 315 rd/min